

BRACKET WITH BILAYER BASE CONFIGURED TO PRODUCE A CONTROL VALUE

Claims

The invention is hereby claimed as follows:

1. The combination of an orthodontic bracket and a laminated base for ready mounting of the bracket on a tooth, wherein the bracket includes an outwardly opening horizontally extending archwire slot and said base and/or its orientation with the bracket opening includes a built-in control value, said base comprising:
 - a first layer of cured polymer resin integral with the bracket, and
 - a second layer of uncured polymer resin of substantially the same family as the first layer, andsaid bracket and/or said cured first polymer resin layer of said base being configured to coact with the archwire slot to produce one or more control values selected from the group consisting of tip, torque, rotation and in/out compensation.

2. The combination of Claim 1, wherein said cured first polymer resin layer of said base is oriented on said bracket such as to produce a tip value, when the bracket and base are bonded to a tooth.

3. The combination of Claim 1, wherein said cured first polymer resin layer of said base is configured such as to produce a torque value when the bracket and base are bonded to a tooth.

4. The combination of Claim 1, wherein said cured first polymer resin layer of said base is configured such as to produce a rotation value when the bracket and base are bonded to a tooth.

5. The combination of Claim 1, wherein said cured first polymer resin layer of said base is configured such as to produce an in/out compensation value when the bracket and base are bonded to a tooth.